

Department of Engineering  
Tim Bryan, P.E., PTOE, County Engineer

3137 South Liberty Street, Canton, MS 39046  
Office (601) 855-5582 FAX (601) 859-5857

**MEMORANDUM**

February 10, 2026

To: Casey Brannon, Supervisor, District I  
Trey Baxter, Supervisor, District II  
Gerald Steen, Supervisor, District III  
Karl Banks, Supervisor, District IV  
Paul Griffin, Supervisor, District V

From: Tim Bryan, P.E., PTOE  
County Engineer

Re: Telepak Networks/D.B.A. Cspire Utility Permit  
County Road Name, Newport Drive

The Engineering Department recommends approval for Cspire to do construction of underground fiber-optic internet utility, by method of directional bore with the right of way county roads list below.

- Newport Drive
- Stapleton Drive
- Stapleton Court



responsibility of the Applicant Utility to acquire an easement for their Facilities from the applicable property owner(s). Madison County in no way verifies the limits of Right-of-Way as shown on the permit application.

The Applicant Utility shall be responsible for all future maintenance and repair of the facilities installed under this permit. The Applicant Utility shall make future adjustments to, or relocate, the facilities located within road or highway right-of-way when required for road or highway widening or other road or highway construction at no cost to Madison County. The Applicant Utility shall relocate said utilities within sixty (60) days of notification by County by registered mail, return receipt requested, unless otherwise designated by the County Engineer. Further, any maintenance, repair, or construction shall be done in such a manner as to occasion no unreasonable interference with the normal flow and safety to traffic and at the expense of the utility company. When reasonable care has been taken to locate said utility facilities within the right-of-way, the Applicant Utility understands that any damages caused by routine maintenance and construction by County forces shall be borne by the Applicant Utility.

The Applicant Utility further agrees to indemnify and hold Madison County harmless for any and all claims, accidents, damages, liabilities and expenses occasioned wholly, or in part, by any act or omission of applicant, its agents or employees. In case County shall, without fault on its own part, be made a party to any litigation commenced by or against applicant, then applicant shall protect and hold County harmless, and shall pay all costs, expenses and reasonable attorney's fees incurred or paid by County in connection with said litigation.

All underground facilities shall be installed at a depth equal to or greater than 48" below the lowest adjacent grade.

All pipes carrying liquid shall be encased under County maintained roads.

WITNESS the signature of the Applicant this the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

By: \_\_\_\_\_  
(Applicant Signature)

Title: \_\_\_\_\_

**Note:** Applicant must be an employee of the Utility named in this application. The Madison County Board of Supervisors will not recognize a Contractor, Subcontractor, Agent, or Consulting Engineer as the Applicant. Utility Company shall be fully responsible for all work performed under this application.

I, or my authorized representative, have reviewed this application and determined that the drawing, sketches, and plans submitted by the Applicant meet the requirements of A Policy for The Accommodation of Utility Facilities within the Right-of-Way of all Public County Roads.

**APPROVED**  
By **Tim Bryan at 4:22 pm, Apr 15, 2026**

Tim Bryan, P.E.  
County Engineer

AGREED TO AND APPROVED BY:

\_\_\_\_\_  
Madison County Board President

Date: \_\_\_\_\_

ENTERED INTO THE MINUTES OF THE BOARD OF SUPERVISORS OF MADISON COUNTY, MISSISSIPPI ON THIS

\_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_\_.

**Appendix 1**

County Road Name: \_\_\_\_\_  
Beginning Location: \_\_\_\_\_ Ending Location: \_\_\_\_\_  
Length of Project: \_\_\_\_\_ Section: \_\_\_\_\_ Township: \_\_\_\_\_ Range: \_\_\_\_\_  
Description of Work: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

County Road Name: \_\_\_\_\_  
Beginning Location: \_\_\_\_\_ Ending Location: \_\_\_\_\_  
Length of Project: \_\_\_\_\_ Section: \_\_\_\_\_ Township: \_\_\_\_\_ Range: \_\_\_\_\_  
Description of Work: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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Description of Work: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

County Road Name: \_\_\_\_\_  
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Description of Work: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

County Road Name: \_\_\_\_\_  
Beginning Location: \_\_\_\_\_ Ending Location: \_\_\_\_\_  
Length of Project: \_\_\_\_\_ Section: \_\_\_\_\_ Township: \_\_\_\_\_ Range: \_\_\_\_\_  
Description of Work: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



**THE LAKES AT STAPLETON**  
 CITY OF MADISON  
 MADISON COUNTY, MISSISSIPPI, MISSISSIPPI  
 03/14/25



**PERMITS REQUIRED**

|               |     |
|---------------|-----|
| CITY :        | N/A |
| COUNTY :      | YES |
| MDOT :        | N/A |
| FEDERAL :     | N/A |
| RAILROAD :    | N/A |
| PRIVATE R/W : | N/A |
| MISC :        | N/A |

**HOUSE COUNT**

|           |    |
|-----------|----|
| OCCUPIED: | 0  |
| VACANT :  | 70 |
| TOTAL :   | 70 |

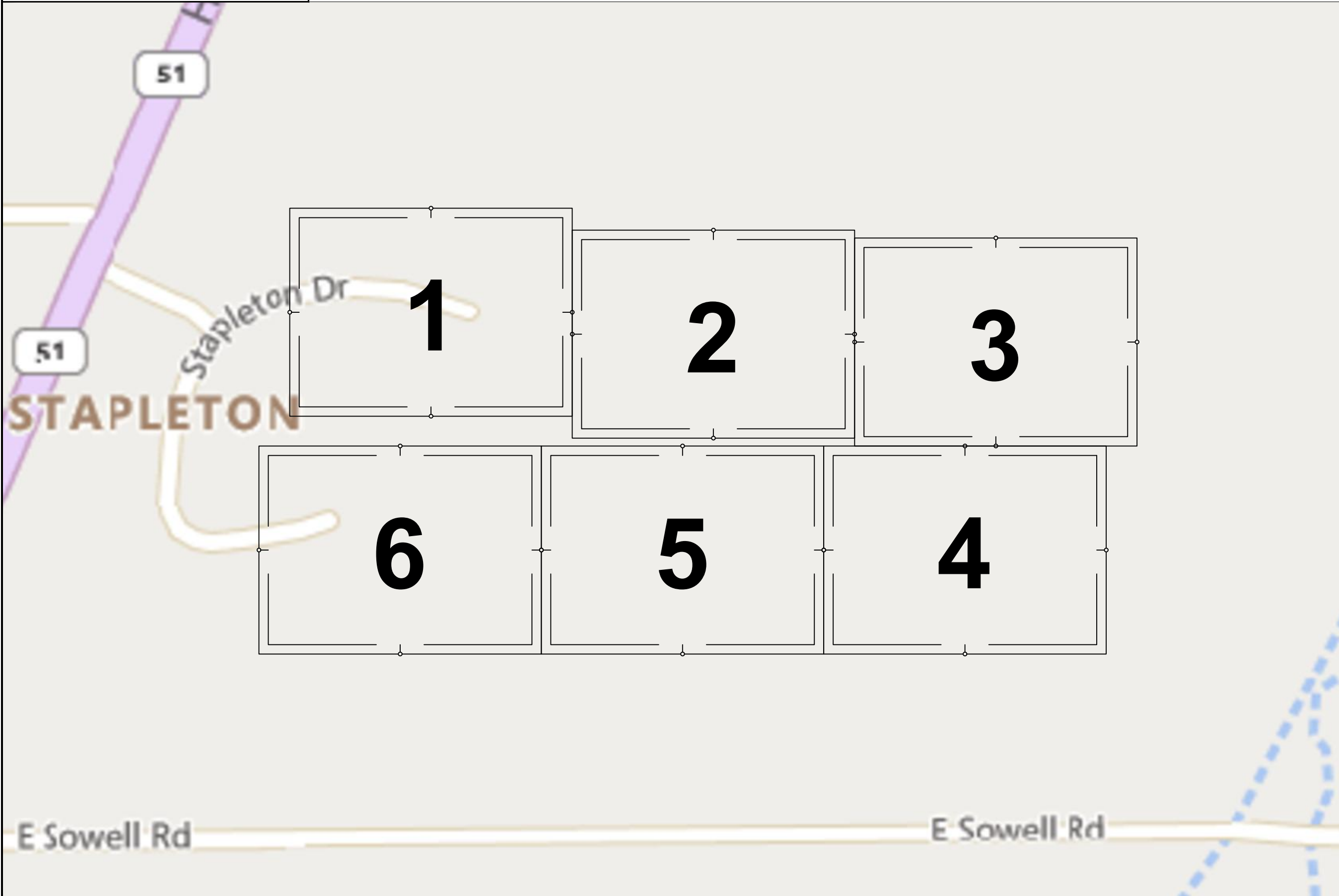
|               |       |
|---------------|-------|
| MILEAGE       | 1.00  |
| LOTS PER MILE | 70.00 |

PREPARED BY:





MADISON  
MADISON COUNTY, MISSISSIPPI



**JOB DESCRIPTION**

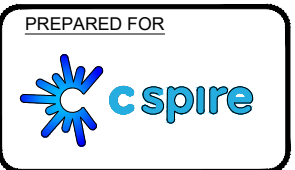
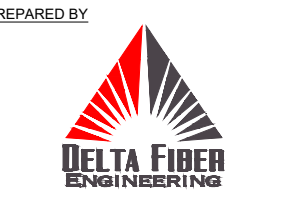
|  |                             |
|--|-----------------------------|
| PROJECT NAME<br>THE LAKES AT STAPLETON |                             |
| PROJECT CITY<br>MADISON                |                             |
| SHEET<br>MK1                           | DESCRIPTION<br>CONSTRUCTION |
| SCALE<br>NTS                           | DRAWN BY<br>DELTA FIBER     |

**MATERIALS LIST**

| ITEM | DESCRIPTION          | QTY. |
|------|----------------------|------|
| 1    | TRIDENT RTD 1X12     |      |
| 2    | TRIDENT RTD 1X12     |      |
| 3    | TRIDENT RTD 1X12     |      |
| 4    | TRIDENT RTD 1X12     |      |
| 5    | TRIDENT RTD 1X12     |      |
| 6    | 24 CT FOC            |      |
| 7    | 24 CT FOC LOOP       |      |
| 8    | 48 CT FOC            |      |
| 9    | 48 CT FOC LOOP       |      |
| 10   | 72 CT FOC            |      |
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| 12   | 96 CT FOC            |      |
| 13   | 96 CT FOC LOOP       |      |
| 14   | 144 CT FOC           |      |
| 15   | 144 CT FOC FEEDER    |      |
| 16   | 144 CT FOC LOOP      |      |
| 17   | 144 CT FEEDER LOOP   |      |
| 18   | 288 CT FOC           |      |
| 19   | 288 CT FOC FEEDER    |      |
| 20   | 288 CT FOC LOOP      |      |
| 21   | 288 CT FEEDER LOOP   |      |
| 22   | BDO144P LCP          |      |
| 23   | BDO288P LCP          |      |
| 24   | BDO432P LCP          |      |
| 25   | BDO576P LCP          |      |
| 26   | UH2                  |      |
| 27   | UH3                  |      |
| 28   | UH4                  |      |
| 29   | UH5                  |      |
| 30   | 1-1.25" SDR11 HDPE   |      |
| 31   | 2-1.25" SDR11 HDPE   |      |
| 32   | 3-1.25" SDR11 HDPE   |      |
| 33   | 4-1.25" SDR11 HDPE   |      |
| 34   | EX-1.25" SDR11 HDPE  |      |
| 35   | TYCO "B" SPLICE CASE |      |
| 36   | TYCO "D" SPLICE CASE |      |
| 37   | GROUND ROD           |      |
| 38   | SPLICES              |      |
| 39   | BM53FA               |      |

| No. | Revision/Issue | Date |
|-----|----------------|------|
|     |                |      |

| MAP NUMBER |  |  |
|------------|--|--|
|            |  |  |



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MADISON  
MADISON COUNTY, MISSISSIPPI

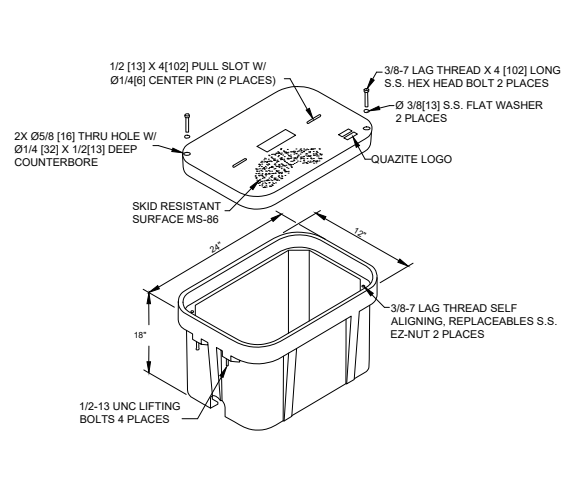
JOB DESCRIPTION

|  |                             |
|--|-----------------------------|
| PROJECT NAME<br>THE LAKES AT STAPLETON |                             |
| PROJECT CITY<br>MADISON                |                             |
| SHEET<br>TYPICALS                      | DESCRIPTION<br>CONSTRUCTION |
| SCALE<br>NTS                           | DRAWN BY<br>DELTA FIBER     |

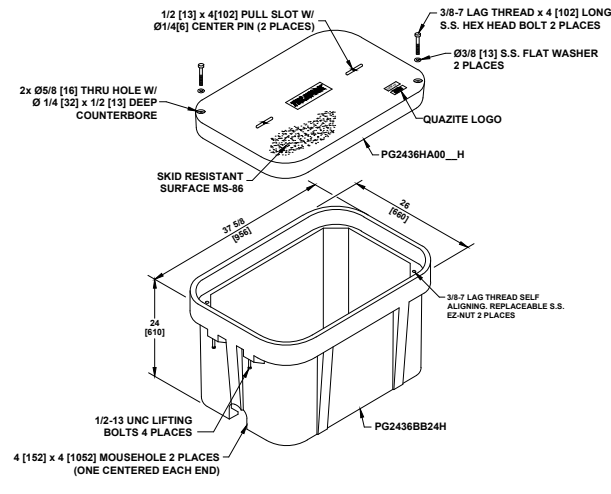
MATERIALS LIST

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| 36   | TYCO "D" SPLICE CASE |      |
| 37   | GROUND ROD           |      |
| 38   | SPLICES              |      |
| 39   | BM53FA               |      |

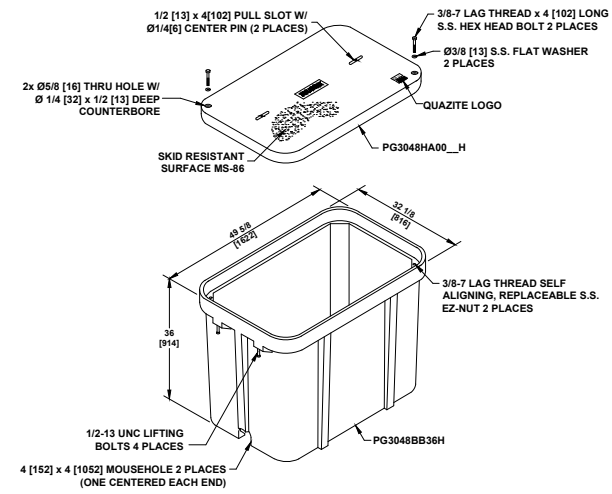
UH-2



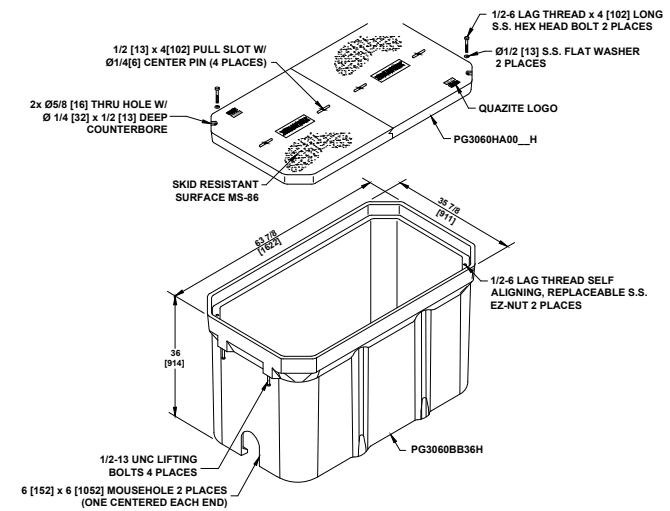
UH-3



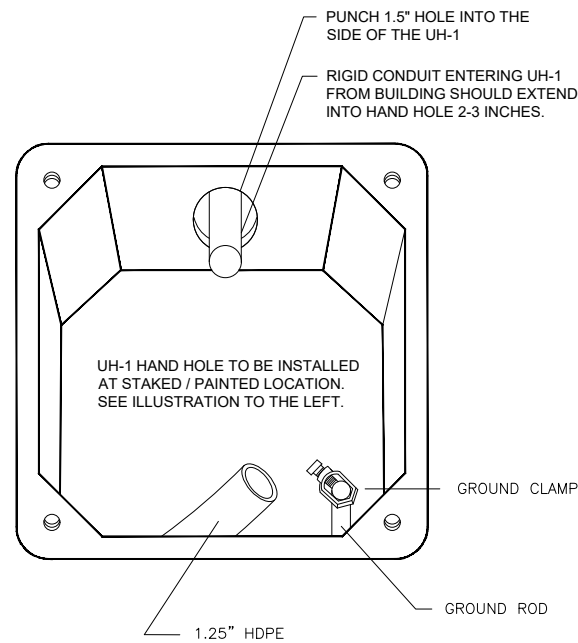
UH-4



UH-5

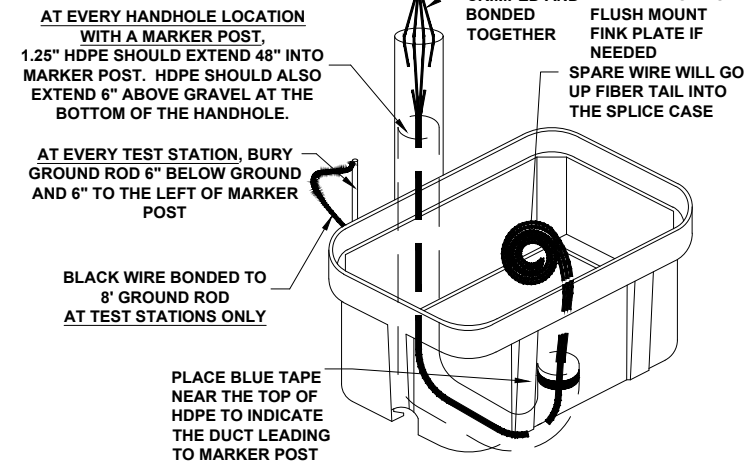


TYPICAL UH-1 / UH-2 HAND HOLE INSTALLATION PROCEDURES AT BUILDING ENTRIES



UH-1 / UH-2 INSTALLATION LOCATION WILL BE MARKED BY A STAKE AND/OR PAINT. CSPIRE/OSP WILL INSTALL CONDUIT 8" UNDERGROUND TO DESIRABLE UH-1 LOCATION.

TYPICAL HAND HOLE INSTALLATION



PIGTAILS ARE TO BE INSTALLED AT TEST STATION (T.S.) ONLY.

HANDHOLES ARE TO BE INSTALLED A MINIMUM OF THREE FEET FROM ANY UTILITY OR POWER POLE.

BOXES (Nestable)

| DESCRIPTION   | PART NO.   | WEIGHT      | DESIGN/TEST LOAD# |
|---------------|------------|-------------|-------------------|
| UH-5 30x60x36 | PG3060Z501 | 933# 423KG. | 33,500 LBS        |
| UH-4 30x48x36 | PG3048Z579 | 563# 255KG. | 33,500 LBS        |
| UH-3 24x36x24 | PG2436Z905 | 284# 129KG. | 33,500 LBS        |

DIMENSIONS ARE IN INCHES OR MILLIMETERS IN BRACKETS UNLESS OTHERWISE NOTED.

NOTES:

- THIS ASSEMBLY IS RATED FOR A STATIC DESIGN LOAD OF 15,000 LBS. [66,720 N] OVER A 10 [254] X 10 [254] AREA AND MUST PASS A MIN. STATIC TEST LOAD OF 33,500 LBS. [100,085 N].
- ALL ENCLOSURES, BOXES AND COVERS, ARE REQUIRED TO CONFORM TO ALL TEST PROVISIONS OF ANSI/SCTE 77 2007 "SPECIFICATION FOR UNDERGROUND ENCLOSURE INTEGRITY" AS MANUFACTURED BY QUAZITE OR EQUIVALENT WITH TELEPAK NETWORK'S ENGINEER'S SIGNED APPROVAL. THE COVERS MUST BE RATED FOR TIER 15 APPLICATIONS AND BOXES RATED FOR TIER 22 APPLICATIONS AND IN NO ASSEMBLY CAN THE COVER DESIGN LOAD EXCEED THE DESIGN LOAD OF THE BOX. ALL COMPONENTS IN AN ASSEMBLY (BOX & COVER) ARE MANUFACTURED USING MATCHED SURFACE TOOLING. ALL COVERS ARE REQUIRED TO HAVE A MINIMUM COEFFICIENT OF FRICTION OF 0.50 IN ACCORDANCE WITH ASTM C 1028 AND HAVE TIER 15 AND "TELEPAK NETWORKS 800-342-3716" EMBOSSED ON THE TOP SURFACE. ALL COVER BOLTS TO BE SELF-CLEANING AUGER BOLT ASSEMBLIES.

ALL CABLE WILL BE PLACED BY METHOD OF DIRECTIONAL BORE MIN 2' OFF ROW OR EASEMENT @ 42" DOC UNLESS OTHERWISE NOTED.

NOTIFY ALL UTILITIES 72 HOURS PRIOR TO CONSTRUCTION ACTIVITY. ONE CALL SYSTEM @ 615-367-1110

| No. | Revision/Issue | Date |
|-----|----------------|------|
|     |                |      |

| MAP NUMBER |  |
|------------|--|
|            |  |

PREPARED BY



PREPARED FOR



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# SYMBOLS KEY

## JOB DESCRIPTION

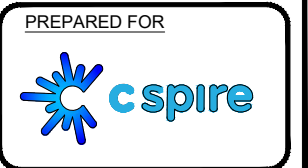
|                        |              |
|------------------------|--------------|
| PROJECT NAME           |              |
| THE LAKES AT STAPLETON |              |
| PROJECT CITY           |              |
| MADISON                |              |
| SHEET                  | LEGEND       |
| CONSTRUCTION           | CONSTRUCTION |
| SCALE                  | DRAWN BY     |
| NTS                    | DELTA FIBER  |

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| 38   | SPLICES              |      |
| 39   | BM53FA               |      |

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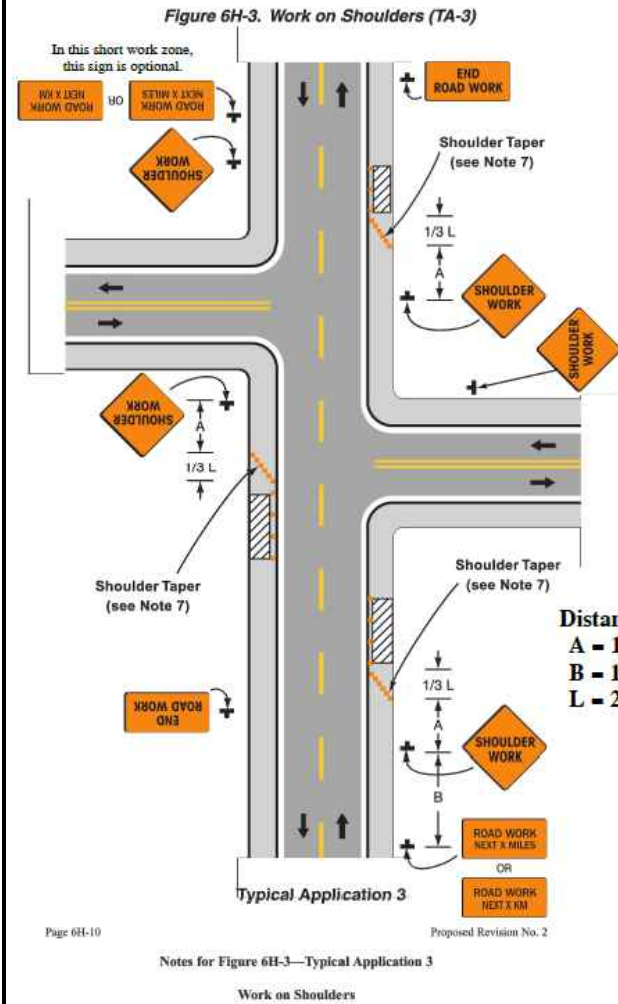
|  |   |   |
|--|---|---|
| <p>DIRECTIONAL BORE </p> <p>AERIAL CABLE </p> <p>PLOW OR BURIED CABLE </p> <p>DIRECTIONAL BORE 5" HDPE </p> <p>PVC OR SPLIT PVC CONDUIT </p> <p>ASTMA 139 GRADE B STEEL </p> <p>JACK AND BORE </p> <p>CORE BORE </p> <p>EXISTING TELEPAK CABLE </p> <p>PROPOSED HANDHOLE </p> <p>EXISTING HANDHOLE </p> <p>HANDHOLE (CABLE IN HDPE) </p> <p>HH (CABLE IN PVC CONDUIT) </p> <p>HANDHOLE (CABLE IN GSP CONDUIT) </p> <p>MANHOLE </p> <p>MANHOLE (CABLE IN HDPE) </p> <p>MANHOLE (CABLE IN PVC CONDUIT) </p> <p>MANHOLE (CABLE IN BSP/GSP CONDUIT) </p> <p>H-FRAME </p> <p>BORE PIT </p> <p>LIGHTNING ARRESTOR </p> <p>AC/DC FILTER PROTECTION </p> <p>ALUMINUM HUB STYLE MARKER </p> <p>STEEL MARKER </p> <p>FLAT COMPOSOLITE MARKER </p> <p>TUBULAR MARKER </p> <p>RIGHT-OF-WAY MARKER </p> <p>RIGHT-OF-WAY PIN </p> <p>MILE POST MARKER<br/>NOTE: DASHED = (NOT FOUND IN FIELD) </p> | <p>RAILROAD TRACKS </p> <p>AUXILLARY TRACKS </p> <p>CENTERLINE </p> <p>WOOD LINE </p> <p>DITCH LINE </p> <p>TOP OF SLOPE </p> <p>TOE OF SLOPE </p> <p>AERIAL UTILITY (ELECTRIC) </p> <p>UNDERGROUND UTILITY (TELEPHONE)<br/>(PARTIAL CAPSULE INDICATES COVER DEPTH IN INCHES) </p> <p>CAUTION NOTES </p> <p>WATER VALVE </p> <p>WATER METER </p> <p>GAS VALVE </p> <p>FIRE HYDRANT </p> <p>STORM DRAIN </p> <p>SEWER MANHOLE </p> <p>CULVERT </p> <p>BOX CULVERT </p> <p>CITY, COUNTY OR STATE BOUNDARY LINE </p> <p>R.R. CROSSING SIGNAL </p> <p>R.R. SIGNAL ARM </p> <p>U/G TRANSFORMER </p> <p>STREET/SIGNAL LIGHT </p> <p>PARKING METER </p> <p>STEEL/WOOD POST </p> <p>SIGN </p> <p>FENCE LINE </p> <p>TELEPHONE/CATV PED </p> <p>TREE </p> <p>BUSH </p> | <p>PROPERTY LINE </p> <p>EDGE OF PAVEMENT </p> <p>BACK OF CURB </p> <p>WHITE LINE </p> <p>RIGHT-OF-WAY LINE </p> <p>TAX DISTRICT BOUNDARY </p> <p>PROBE (DEPTH AS INDACATED) </p> <p>PERMIT TRACKING FORM IDENTIFIER </p> |
|--|---|---|

## DELTA FIBER TYPICAL LINETYPES

|                    |              |              |              |              |              |
|--------------------|--------------|--------------|--------------|--------------|--------------|
| 1-1.25 HDPE        | (1)1.25 HDPE | (1)1.25 HDPE | (1)1.25 HDPE | (1)1.25 HDPE | (1)1.25 HDPE |
| 2-1.25 HDPE        | (2)1.25 HDPE | (2)1.25 HDPE | (2)1.25 HDPE | (2)1.25 HDPE | (2)1.25 HDPE |
| 3-1.25 HDPE        | (3)1.25 HDPE | (3)1.25 HDPE | (3)1.25 HDPE | (3)1.25 HDPE | (3)1.25 HDPE |
| 4-1.25 HDPE        | (4)1.25 HDPE | (4)1.25 HDPE | (4)1.25 HDPE | (4)1.25 HDPE | (4)1.25 HDPE |
| 5-1.25 HDPE        | (5)1.25 HDPE | (5)1.25 HDPE | (5)1.25 HDPE | (5)1.25 HDPE | (5)1.25 HDPE |
| 6-1.25 HDPE        | (6)1.25 HDPE | (6)1.25 HDPE | (6)1.25 HDPE | (6)1.25 HDPE | (6)1.25 HDPE |
|                    |              |              |              |              |              |
| 12CT FOC           | 12CT FOC     | 12CT FOC     | 12CT FOC     | 12CT FOC     | 12CT FOC     |
| 24CT FOC           | 24CT FOC     | 24CT FOC     | 24CT FOC     | 24CT FOC     | 24CT FOC     |
| 48CT FOC           | 48CT FOC     | 48CT FOC     | 48CT FOC     | 48CT FOC     | 48CT FOC     |
| 72CT FOC           | 72CT FOC     | 72CT FOC     | 72CT FOC     | 72CT FOC     | 72CT FOC     |
| 96CT FOC           | 96CT FOC     | 96CT FOC     | 96CT FOC     | 96CT FOC     | 96CT FOC     |
| 144CT FOC          | 144CT FOC    | 144CT FOC    | 144CT FOC    | 144CT FOC    | 144CT FOC    |
| 288CT FOC          | 288CT FOC    | 288CT FOC    | 288CT FOC    | 288CT FOC    | 288CT FOC    |
| (2)288CT FOC       | (2)288CT FOC | (2)288CT FOC | (2)288CT FOC | (2)288CT FOC | (2)288CT FOC |
|                    |              |              |              |              |              |
| 1x4 TRIDENT        | 1x4          | 1x4          | 1x4          | 1x4          | 1x4          |
| 1x8 TRIDENT        | 1x8          | 1x8          | 1x8          | 1x8          | 1x8          |
| 1x12 TRIDENT       | 1x12         | 1x12         | 1x12         | 1x12         | 1x12         |
| 2x12 TRIDENT       | (2)1x12      | (2)1x12      | (2)1x12      | (2)1x12      | (2)1x12      |
|                    |              |              |              |              |              |
| RIGHT OF WAY       | R/W          |              |              |              |              |
|                    |              |              |              |              |              |
| DRIVEWAY           |              |              |              |              |              |
|                    |              |              |              |              |              |
| EDGE OF PAVEMENT   |              |              |              |              |              |
| CENTERLINE OF ROAD |              |              |              |              |              |
| DROPS TO HOUSES    |              |              |              |              |              |
|                    |              |              |              |              |              |
| AERIAL IMAGES      |              |              |              |              |              |
| PROPERTY LINE      | PL           | PL           | PL           | PL           | PL           |
| UTILITY EASEMENT   | UTIL ESMT    |              |              |              |              |
| SIDEWALK           |              |              |              |              |              |

ALL CABLE WILL BE PLACED BY METHOD OF DIRECTIONAL BORE MIN 2' OFF ROW OR EASEMENT @ 42" DOC UNLESS OTHERWISE NOTED.

NOTIFY ALL UTILITIES 72 HOURS PRIOR TO CONSTRUCTION ACTIVITY.  
ONE CALL SYSTEM @ 615-367-1110



**WORK ON SHOULDERS**

**GUIDANCE:**

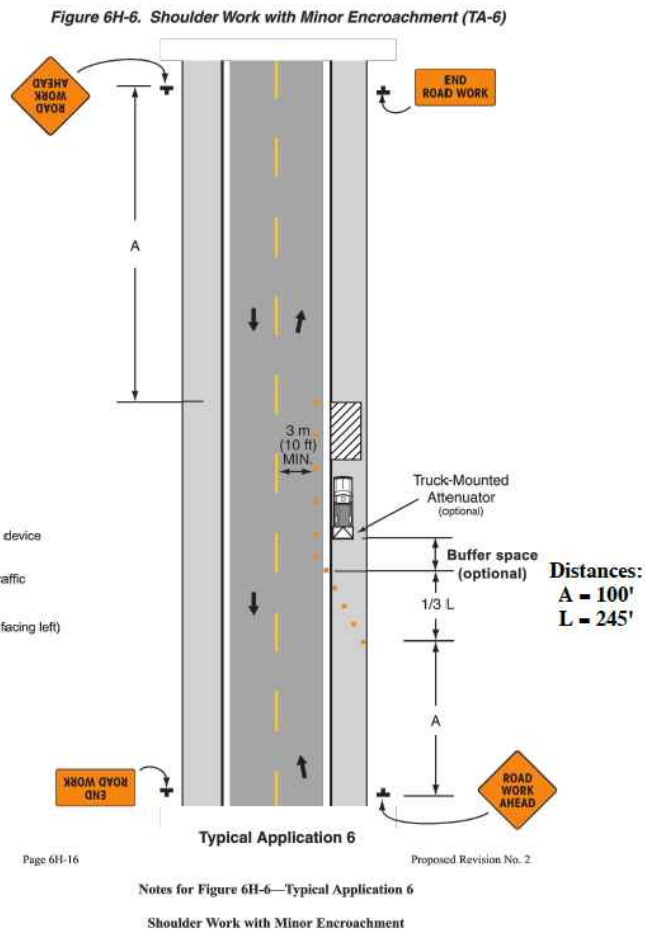
1. A SHOULDER WORK sign should be placed on the left side of the roadway for a divided or one-way street only if the left shoulder is affected.

**OPTION:**

2. The workers symbol signs may be used instead of SHOULDER WORK signs.
3. The SHOULDER WORK AHEAD sign on an intersecting roadway may be omitted where drivers emerging from that roadway will encounter another advance warning sign prior to this activity area.
4. For short-duration operations of 60 minutes or less, all signs and channelizing devices may be eliminated if a vehicle with activated rotating lights or strobe lights is used.
5. Vehicle hazard warning signals may be used to supplement rotating lights or strobe lights.

**STANDARD:**

6. Vehicle hazard warning signals shall not be used instead of the vehicle's rotating lights or strobe lights.
7. When paved shoulders having a width of 2.4 m (8ft) or more are closed, at least one advance warning sign shall be used. In addition, channelizing devices shall be used to close the shoulder in advance to delineate the beginning of the work space and direct vehicular traffic to remain within the traveled way.



**SHOULDER WORK WITH MINOR ENCROACHMENT**

**GUIDANCE:**

1. All lanes should be a minimum of 3 m (10ft) in width as measured to the near face of the channelizing devices.
  2. The treatment shown should be used on a minor road having low speeds. For higher-speed traffic conditions, a lane closure should be used.
- OPTION:**
3. For short-term use on low-volume, low-speed roadways with vehicular traffic that does not include longer and wider heavy commercial vehicles, a minimum lane width of 2.7 m (9ft) may be used.
  4. Where the opposite shoulder is suitable for carrying vehicular traffic and of adequate width, lanes may be shifted by use of closely spaced channelizing devices, provided that the minimum lane width of 3 m (10ft) is maintained.
  5. Additional advance warning may be appropriate, such as ROAD NARROWS sign.

**CONSTRUCTION SIGNS**  
FLUORESCENT ORANGE SHEETING SHALL BE USED ON ALL CONSTRUCTION AND TRAFFIC CONTROL SIGNS



NOTE:  
W20-1 SIGNS ARE REQUIRED WHEN SHOULDER WORK IS PERFORMED WITH MINOR ENCROACHMENT TO TRAVEL LANE OR FLAGGING OPERATIONS. SEE TCP-2, FIGURE 6H-6.

**DISTANCE BETWEEN SIGNS**

| ROAD TYPE              | A        | B        | C        |
|------------------------|----------|----------|----------|
| URBAN (35 MPH OR LESS) | 100 FT.  | 100 FT.  | 100 FT.  |
| URBAN (40 - 70 MPH)    | 350 FT.  | 350 FT.  | 350 FT.  |
| RURAL                  | 500 FT.  | 500 FT.  | 500 FT.  |
| EXPRESSWAY / FREEWAY   | 1000 FT. | 1500 FT. | 2640 FT. |

**NOTES:**

1. ALL TRAFFIC CONTROL DEVICES ON THIS PROJECT SHALL COMPLY WITH PART VI OF THE MUTCD (LATEST EDITION).
2. SIGNS ARE ONLY REQUIRED WHILE CONTRACTOR IS WORKING. THEY SHALL BE INSTALLED PRIOR TO WORK COMMENCING EACH DAY AND REMOVED WHEN WORK IS COMPLETED AT THE END OF THE DAY.
3. SIGNS MAY BE MOUNTED ON TRIPODS. THE LOCATION AND SPACING OF SIGNS, AS SHOWN ON THESE TRAFFIC CONTROL PLANS, ARE APPROXIMATE AND MAY BE ADJUSTED AS NECESSARY TO FIT FIELD CONDITIONS.
4. CHANNELIZING DEVICES ARE NOT SHOWN ON THIS PLAN, BUT ARE REQUIRED AROUND ACTIVE WORK ZONES (SEE TCP-2).

**JOB DESCRIPTION**

|  |                                |
|--|--------------------------------|
| PROJECT NAME<br>THE LAKES AT STAPLETON |                                |
| PROJECT CITY<br>MADISON                |                                |
| SHEET<br>TC1                           | DESCRIPTION<br>TRAFFIC CONTROL |
| SCALE                                  | DRAWN BY<br>DELTA FIBER        |

**MATERIALS LIST**

| ITEM | DESCRIPTION          | QTY. |
|------|----------------------|------|
| 1    | TRIDENT RTD 1X12     |      |
| 2    | TRIDENT RTD 1X12     |      |
| 3    | TRIDENT RTD 1X12     |      |
| 4    | TRIDENT RTD 1X12     |      |
| 5    | TRIDENT RTD 1X12     |      |
| 6    | 24 CT FOC            |      |
| 7    | 24 CT FOC LOOP       |      |
| 8    | 48 CT FOC            |      |
| 9    | 48 CT FOC LOOP       |      |
| 10   | 72 CT FOC            |      |
| 11   | 72 CT FOC LOOP       |      |
| 12   | 96 CT FOC            |      |
| 13   | 96 CT FOC LOOP       |      |
| 14   | 144 CT FOC           |      |
| 15   | 144 CT FOC FEEDER    |      |
| 16   | 144 CT FOC LOOP      |      |
| 17   | 144 CT FEEDER LOOP   |      |
| 18   | 288 CT FOC           |      |
| 19   | 288 CT FOC FEEDER    |      |
| 20   | 288 CT FOC LOOP      |      |
| 21   | 288 CT FEEDER LOOP   |      |
| 22   | BDO144P LCP          |      |
| 23   | BDO288P LCP          |      |
| 24   | BDO432P LCP          |      |
| 25   | BDO576P LCP          |      |
| 26   | UH2                  |      |
| 27   | UH3                  |      |
| 28   | UH4                  |      |
| 29   | UH5                  |      |
| 30   | 1-1.25" SDR11 HDPE   |      |
| 31   | 2-1.25" SDR11 HDPE   |      |
| 32   | 3-1.25" SDR11 HDPE   |      |
| 33   | 4-1.25" SDR11 HDPE   |      |
| 34   | EX-1.25" SDR11 HDPE  |      |
| 35   | TYCO "B" SPLICE CASE |      |
| 36   | TYCO "D" SPLICE CASE |      |
| 37   | GROUND ROD           |      |
| 38   | SPLICES              |      |
| 39   | BM53FA               |      |

| No. | Revision/Issue | Date |
|-----|----------------|------|
|     |                |      |

| MAP NUMBER |  |
|------------|--|
|            |  |

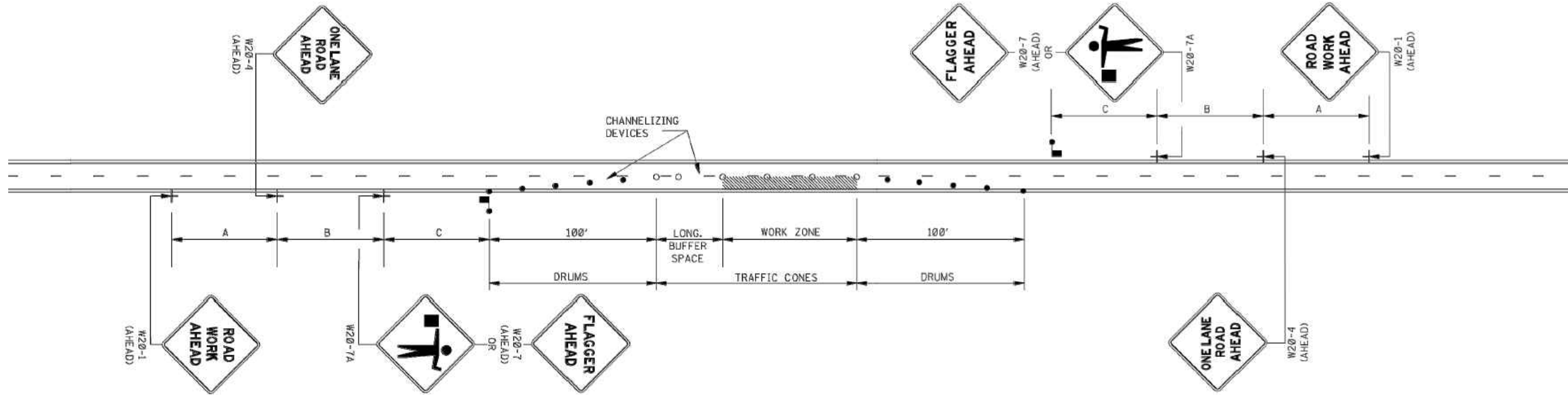


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|  |                                |
|--|--------------------------------|
| PROJECT NAME<br>THE LAKES AT STAPLETON |                                |
| PROJECT CITY<br>MADISON                |                                |
| SHEET<br>TC2                           | DESCRIPTION<br>TRAFFIC CONTROL |
| SCALE                                  | DRAWN BY<br>DELTA FIBER        |

MATERIALS LIST

| ITEM | DESCRIPTION          | QTY. |
|------|----------------------|------|
| 1    | TRIDENT RTD 1X12     |      |
| 2    | TRIDENT RTD 1X12     |      |
| 3    | TRIDENT RTD 1X12     |      |
| 4    | TRIDENT RTD 1X12     |      |
| 5    | TRIDENT RTD 1X12     |      |
| 6    | 24 CT FOC            |      |
| 7    | 24 CT FOC LOOP       |      |
| 8    | 48 CT FOC            |      |
| 9    | 48 CT FOC LOOP       |      |
| 10   | 72 CT FOC            |      |
| 11   | 72 CT FOC LOOP       |      |
| 12   | 96 CT FOC            |      |
| 13   | 96 CT FOC LOOP       |      |
| 14   | 144 CT FOC           |      |
| 15   | 144 CT FOC FEEDER    |      |
| 16   | 144 CT FOC LOOP      |      |
| 17   | 144 CT FEEDER LOOP   |      |
| 18   | 288 CT FOC           |      |
| 19   | 288 CT FOC FEEDER    |      |
| 20   | 288 CT FOC LOOP      |      |
| 21   | 288 CT FEEDER LOOP   |      |
| 22   | BDO144P LCP          |      |
| 23   | BDO288P LCP          |      |
| 24   | BDO432P LCP          |      |
| 25   | BDO576P LCP          |      |
| 26   | UH2                  |      |
| 27   | UH3                  |      |
| 28   | UH4                  |      |
| 29   | UH5                  |      |
| 30   | 1-1.25" SDR11 HDPE   |      |
| 31   | 2-1.25" SDR11 HDPE   |      |
| 32   | 3-1.25" SDR11 HDPE   |      |
| 33   | 4-1.25" SDR11 HDPE   |      |
| 34   | EX-1.25" SDR11 HDPE  |      |
| 35   | TYCO "B" SPLICE CASE |      |
| 36   | TYCO "D" SPLICE CASE |      |
| 37   | GROUND ROD           |      |
| 38   | SPLICES              |      |
| 39   | BM53FA               |      |



GENERAL NOTES:

1. THE LOCATION OF CHANNELIZING DEVICES AND THE WORK AREA LAYOUT SHALL BE BASED ON THE CRITERIA IN THE FOLLOWING TABLE. FLAGGER STATIONS SHALL BE LOCATED SUCH THAT APPROACHING VEHICLES WILL HAVE SUFFICIENT DISTANCE TO STOP. VALUES IN STOPPING SIGHT DISTANCE COLUMN MAY BE USED AS A MINIMUM FOR THIS DISTANCE.

| POSTED SPEED AND/OR DESIGN SPEED | MAXIMUM CHANNELIZING DEVICE SPACING (ft) |                             | LONGITUDINAL BUFFER SPACE (ft) | STOPPING SIGHT DISTANCE |
|----------------------------------|--|-----------------------------|--------------------------------|-------------------------|
|                                  | TAPER                                    | ALONG LANE LINE & WORK ZONE |                                |                         |
| mph                              |  |                             |                                |                         |
| 25                               | 20                                       | 50                          | 55                             | 155                     |
| 30                               | 20                                       | 60                          | 85                             | 200                     |
| 35                               | 20                                       | 70                          | 120                            | 250                     |
| 40                               | 20                                       | 80                          | 170                            | 305                     |
| 45                               | 20                                       | 90                          | 220                            | 360                     |
| 50                               | 20                                       | 100                         | 280                            | 425                     |
| 55                               | 20                                       | 110                         | 335                            | 495                     |
| 60                               | 20                                       | 120                         | 415                            | 570                     |
| 65                               | 20                                       | 130                         | 485                            | 645                     |

NOTE: BUFFER SPACE MAY BE ADJUSTED AS NEEDED ACCORDING TO ROADWAY GEOMETRY TO MEET SIGHT DISTANCE REQUIREMENTS, AS DIRECTED BY THE ENGINEER.

- ALL CHANNELIZING DEVICES SHALL BE A MINIMUM OF 28" IN HEIGHT.
- DIAMOND SHAPED TRAFFIC CONTROL SIGNS SHALL BE A MINIMUM OF 36" x 36" AND BLACK COPY ON FLUORESCENT ORANGE SHEETING.
- WHEN WORK ZONE IS NO LONGER NEEDED, ALL SIGNS SHALL BE COVERED OR REMOVED AND ALL CHANNELIZING DEVICES SHALL BE MOVED TO THE SHOULDER EDGE.
- ADDITIONAL FLAGGERS MAY BE NEEDED AS DIRECTED BY THE ENGINEER.
- WHEN WORK IS REQUIRED AT NIGHT, FLAGGER STATIONS SHALL BE ILLUMINATED.
- CHANNELIZING DEVICE TYPES FOR:  
A. APPROACH AND EXIT TAPERS - RETROREFLECTIVE PLASTIC DRUMS  
B. ALONG LANE LINE AND WORK ZONE - TRAFFIC CONES (28" HEIGHT)
- ALL TRAFFIC CONTROL ITEMS SHOWN ON THIS SHEET WILL NOT BE MEASURED FOR SEPARATE PAYMENT. THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR MAINTENANCE OF TRAFFIC.

| No. | Revision/Issue | Date |
|-----|----------------|------|
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| MAP NUMBER |  |
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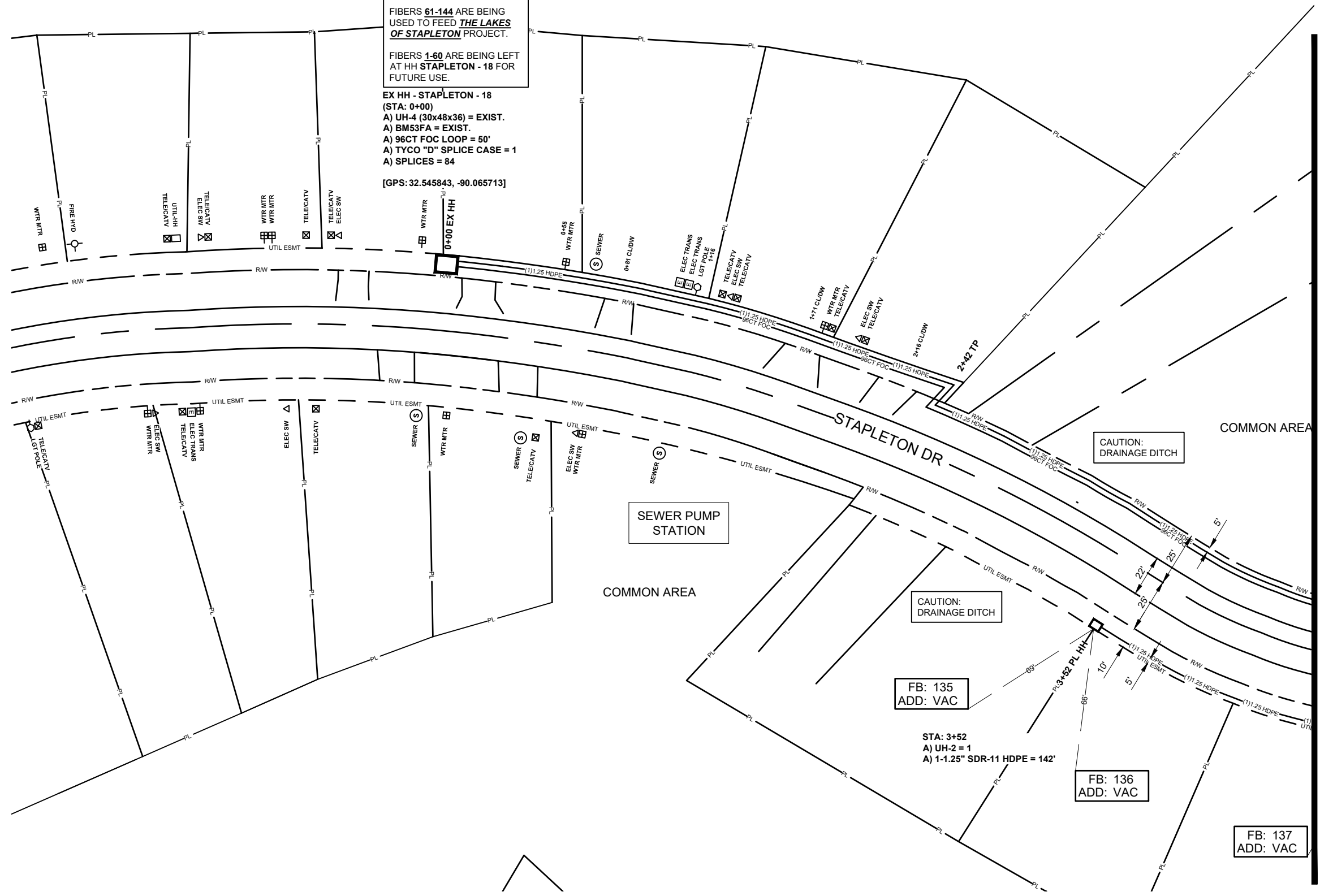
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NOTE:  
EX HH PLACED ON  
**STAPLETON OF MADISON  
COUNTY** PROJECT.  
FIBERS 61-144 ARE BEING  
USED TO FEED **THE LAKES  
OF STAPLETON** PROJECT.  
FIBERS 1-60 ARE BEING LEFT  
AT HH **STAPLETON - 18** FOR  
FUTURE USE.

EX HH - STAPLETON - 18  
(STA: 0+00)  
A) UH-4 (30x48x36) = EXIST.  
A) BM53FA = EXIST.  
A) 96CT FOC LOOP = 50'  
A) TYCO "D" SPLICE CASE = 1  
A) SPLICES = 84  
[GPS: 32.545843, -90.065713]



SEE SHEET 2

**JOB DESCRIPTION**

|                        |              |
|------------------------|--------------|
| PROJECT NAME           |              |
| THE LAKES AT STAPLETON |              |
| PROJECT CITY           |              |
| MADISON                |              |
| SHEET                  | DESCRIPTION  |
| 001                    | CONSTRUCTION |
| SCALE                  | DRAWN BY     |
| 1"=50'                 | DELTA FIBER  |

**MATERIALS LIST**

| ITEM | DESCRIPTION          | QTY. |
|------|----------------------|------|
| 1    | TRIDENT RTD 1X12     |      |
| 2    | TRIDENT RTD 1X12     |      |
| 3    | TRIDENT RTD 1X12     |      |
| 4    | TRIDENT RTD 1X12     |      |
| 5    | TRIDENT RTD 1X12     |      |
| 6    | 24 CT FOC            |      |
| 7    | 24 CT FOC LOOP       |      |
| 8    | 48 CT FOC            |      |
| 9    | 48 CT FOC LOOP       |      |
| 10   | 72 CT FOC            |      |
| 11   | 72 CT FOC LOOP       |      |
| 12   | 96 CT FOC            |      |
| 13   | 96 CT FOC LOOP       | 50   |
| 14   | 144 CT FOC           |      |
| 15   | 144 CT FOC FEEDER    |      |
| 16   | 144 CT FOC LOOP      |      |
| 17   | 144 CT FEEDER LOOP   |      |
| 18   | 288 CT FOC           |      |
| 19   | 288 CT FOC FEEDER    |      |
| 20   | 288 CT FOC LOOP      |      |
| 21   | 288 CT FEEDER LOOP   |      |
| 22   | BDO144P LCP          |      |
| 23   | BDO288P LCP          |      |
| 24   | BDO432P LCP          |      |
| 25   | BDO576P LCP          |      |
| 26   | UH2                  | 1    |
| 27   | UH3                  |      |
| 28   | UH4                  |      |
| 29   | UH5                  |      |
| 30   | 1-1.25" SDR11 HDPE   | 142  |
| 31   | 2-1.25" SDR11 HDPE   |      |
| 32   | 3-1.25" SDR11 HDPE   |      |
| 33   | 4-1.25" SDR11 HDPE   |      |
| 34   | EX-1.25" SDR11 HDPE  |      |
| 35   | TYCO "B" SPLICE CASE |      |
| 36   | TYCO "D" SPLICE CASE | 1    |
| 37   | GROUND ROD           |      |
| 38   | SPLICES              | 84   |
| 39   | BM53FA               |      |

| No. | Revision/Issue | Date |
|-----|----------------|------|
|     |                |      |

| MAP NUMBER |  |
|------------|--|
|            |  |
|            |  |

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**DELTA FIBER  
ENGINEERING**

PREPARED FOR

**cspire**

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DIRECTIONAL BORE MIN 2' OFF ROW OR EASEMENT  
@ 42" DOC UNLESS OTHERWISE NOTED.

NOTIFY ALL UTILITIES 72 HOURS PRIOR  
TO CONSTRUCTION ACTIVITY.  
ONE CALL SYSTEM @ 615-367-1110



JOB DESCRIPTION

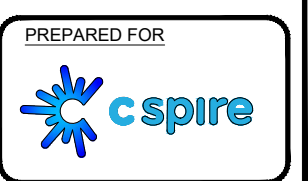
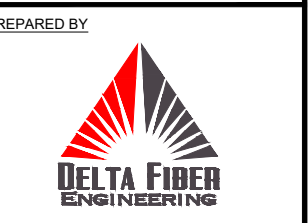
|  |                             |
|--|-----------------------------|
| PROJECT NAME<br>THE LAKES AT STAPLETON |                             |
| PROJECT CITY<br>MADISON                |                             |
| SHEET<br>002                           | DESCRIPTION<br>CONSTRUCTION |
| SCALE<br>1"=50'                        | DRAWN BY<br>DELTA FIBER     |

MATERIALS LIST

| ITEM | DESCRIPTION          | QTY. |
|------|----------------------|------|
| 1    | TRIDENT RTD 1X12     | 600  |
| 2    | TRIDENT RTD 1X12     | 100  |
| 3    | TRIDENT RTD 1X12     |      |
| 4    | TRIDENT RTD 1X12     |      |
| 5    | TRIDENT RTD 1X12     |      |
| 6    | 24 CT FOC            |      |
| 7    | 24 CT FOC LOOP       |      |
| 8    | 48 CT FOC            |      |
| 9    | 48 CT FOC LOOP       |      |
| 10   | 72 CT FOC            |      |
| 11   | 72 CT FOC LOOP       |      |
| 12   | 96 CT FOC            | 1013 |
| 13   | 96 CT FOC LOOP       | 200  |
| 14   | 144 CT FOC           |      |
| 15   | 144 CT FOC FEEDER    |      |
| 16   | 144 CT FOC LOOP      |      |
| 17   | 144 CT FEEDER LOOP   |      |
| 18   | 288 CT FOC           |      |
| 19   | 288 CT FOC FEEDER    |      |
| 20   | 288 CT FOC LOOP      |      |
| 21   | 288 CT FEEDER LOOP   |      |
| 22   | BDO144P LCP          |      |
| 23   | BDO288P LCP          |      |
| 24   | BDO432P LCP          |      |
| 25   | BDO576P LCP          |      |
| 26   | UH2                  | 7    |
| 27   | UH3                  | 2    |
| 28   | UH4                  |      |
| 29   | UH5                  |      |
| 30   | 1-1.25" SDR11 HDPE   | 996  |
| 31   | 2-1.25" SDR11 HDPE   | 278  |
| 32   | 3-1.25" SDR11 HDPE   | 291  |
| 33   | 4-1.25" SDR11 HDPE   |      |
| 34   | EX-1.25" SDR11 HDPE  |      |
| 35   | TYCO "B" SPLICE CASE | 1    |
| 36   | TYCO "D" SPLICE CASE |      |
| 37   | GROUND ROD           | 2    |
| 38   | SPLICES              | 24   |
| 39   | BM53FA               | 2    |

| No. | Revision/Issue | Date |
|-----|----------------|------|
|     |                |      |

| MAP NUMBER |   |   |
|------------|---|---|
| 1          | 2 | 3 |



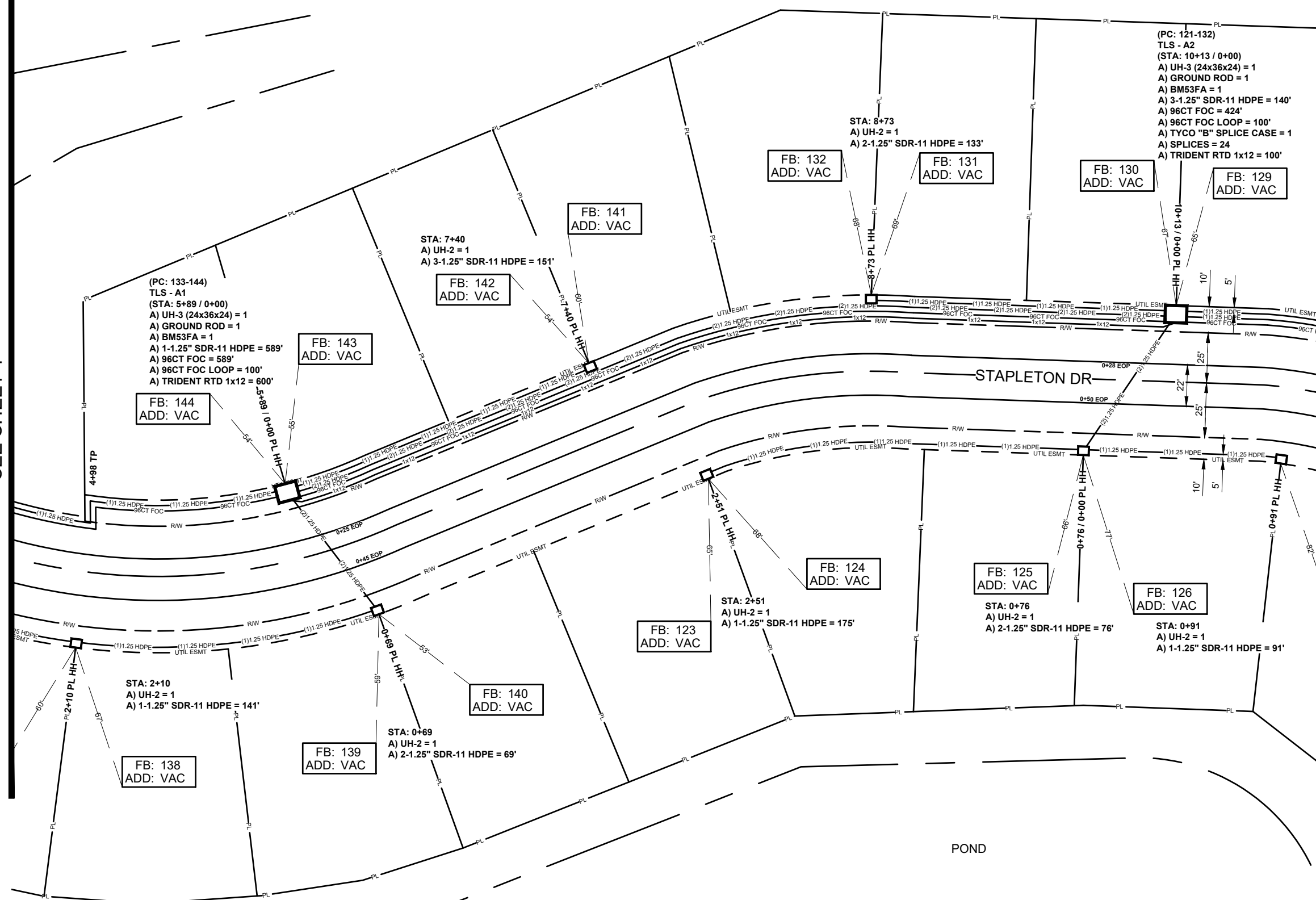
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NOTIFY ALL UTILITIES 72 HOURS PRIOR TO CONSTRUCTION ACTIVITY.  
ONE CALL SYSTEM @ 615-367-1110

SEE SHEET 1

SEE SHEET 3





JOB DESCRIPTION

|              |              |                        |
|--------------|--------------|------------------------|
| PROJECT NAME |              | THE LAKES AT STAPLETON |
| PROJECT CITY |              | MADISON                |
| SHEET        | DESCRIPTION  |                        |
| 003          | CONSTRUCTION |                        |
| SCALE        | DRAWN BY     |                        |
| 1"=50'       | DELTA FIBER  |                        |

MATERIALS LIST

| ITEM | DESCRIPTION          | QTY. |
|------|----------------------|------|
| 1    | TRIDENT RTD 1X12     | 800  |
| 2    | TRIDENT RTD 1X12     |      |
| 3    | TRIDENT RTD 1X12     |      |
| 4    | TRIDENT RTD 1X12     |      |
| 5    | TRIDENT RTD 1X12     |      |
| 6    | 24 CT FOC            |      |
| 7    | 24 CT FOC LOOP       |      |
| 8    | 48 CT FOC            |      |
| 9    | 48 CT FOC LOOP       |      |
| 10   | 72 CT FOC            |      |
| 11   | 72 CT FOC LOOP       |      |
| 12   | 96 CT FOC            | 319  |
| 13   | 96 CT FOC LOOP       | 100  |
| 14   | 144 CT FOC           |      |
| 15   | 144 CT FOC FEEDER    |      |
| 16   | 144 CT FOC LOOP      |      |
| 17   | 144 CT FEEDER LOOP   |      |
| 18   | 288 CT FOC           |      |
| 19   | 288 CT FOC FEEDER    |      |
| 20   | 288 CT FOC LOOP      |      |
| 21   | 288 CT FEEDER LOOP   |      |
| 22   | BDO144P LCP          |      |
| 23   | BDO288P LCP          |      |
| 24   | BDO432P LCP          |      |
| 25   | BDO576P LCP          |      |
| 26   | UH2                  | 7    |
| 27   | UH3                  | 1    |
| 28   | UH4                  |      |
| 29   | UH5                  |      |
| 30   | 1-1.25" SDR11 HDPE   | 721  |
| 31   | 2-1.25" SDR11 HDPE   | 146  |
| 32   | 3-1.25" SDR11 HDPE   | 94   |
| 33   | 4-1.25" SDR11 HDPE   |      |
| 34   | EX-1.25" SDR11 HDPE  |      |
| 35   | TYCO "B" SPLICE CASE |      |
| 36   | TYCO "D" SPLICE CASE |      |
| 37   | GROUND ROD           | 1    |
| 38   | SPLICES              |      |
| 39   | BM53FA               | 1    |

| No. | Revision/Issue | Date |
|-----|----------------|------|
|     |                |      |

| MAP NUMBER |   |
|------------|---|
| 2          | 3 |
|            | 4 |

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SEE SHEET 2

SEE SHEET 4

POND

ALL CABLE WILL BE PLACED BY METHOD OF DIRECTIONAL BORE MIN 2' OFF ROW OR EASEMENT @ 42" DOC UNLESS OTHERWISE NOTED.

NOTIFY ALL UTILITIES 72 HOURS PRIOR TO CONSTRUCTION ACTIVITY.  
ONE CALL SYSTEM @ 615-367-1110



MADISON  
MADISON COUNTY, MISSISSIPPI

SEE SHEET 3

JOB DESCRIPTION

|  |                             |
|--|-----------------------------|
| PROJECT NAME<br>THE LAKES AT STAPLETON |                             |
| PROJECT CITY<br>MADISON                |                             |
| SHEET<br>004                           | DESCRIPTION<br>CONSTRUCTION |
| SCALE<br>1"=50'                        | DRAWN BY<br>DELTA FIBER     |

MATERIALS LIST

| ITEM | DESCRIPTION          | QTY. |
|------|----------------------|------|
| 1    | TRIDENT RTD 1X12     | 100  |
| 2    | TRIDENT RTD 1X12     |      |
| 3    | TRIDENT RTD 1X12     |      |
| 4    | TRIDENT RTD 1X12     |      |
| 5    | TRIDENT RTD 1X12     |      |
| 6    | 24 CT FOC            |      |
| 7    | 24 CT FOC LOOP       |      |
| 8    | 48 CT FOC            |      |
| 9    | 48 CT FOC LOOP       |      |
| 10   | 72 CT FOC            |      |
| 11   | 72 CT FOC LOOP       |      |
| 12   | 96 CT FOC            | 604  |
| 13   | 96 CT FOC LOOP       | 50   |
| 14   | 144 CT FOC           |      |
| 15   | 144 CT FOC FEEDER    |      |
| 16   | 144 CT FOC LOOP      |      |
| 17   | 144 CT FEEDER LOOP   |      |
| 18   | 288 CT FOC           |      |
| 19   | 288 CT FOC FEEDER    |      |
| 20   | 288 CT FOC LOOP      |      |
| 21   | 288 CT FEEDER LOOP   |      |
| 22   | BDO144P LCP          |      |
| 23   | BDO288P LCP          |      |
| 24   | BDO432P LCP          |      |
| 25   | BDO576P LCP          |      |
| 26   | UH2                  | 5    |
| 27   | UH3                  | 1    |
| 28   | UH4                  |      |
| 29   | UH5                  |      |
| 30   | 1-1.25" SDR11 HDPE   | 208  |
| 31   | 2-1.25" SDR11 HDPE   | 276  |
| 32   | 3-1.25" SDR11 HDPE   | 375  |
| 33   | 4-1.25" SDR11 HDPE   |      |
| 34   | EX-1.25" SDR11 HDPE  |      |
| 35   | TYCO "B" SPLICE CASE | 1    |
| 36   | TYCO "D" SPLICE CASE |      |
| 37   | GROUND ROD           | 1    |
| 38   | SPLICES              | 60   |
| 39   | BM53FA               | 1    |

| No. | Revision/Issue | Date |
|-----|----------------|------|
|     |                |      |

| MAP NUMBER |   |
|------------|---|
| 3          | 4 |
| 5          |   |

PREPARED BY



PREPARED FOR



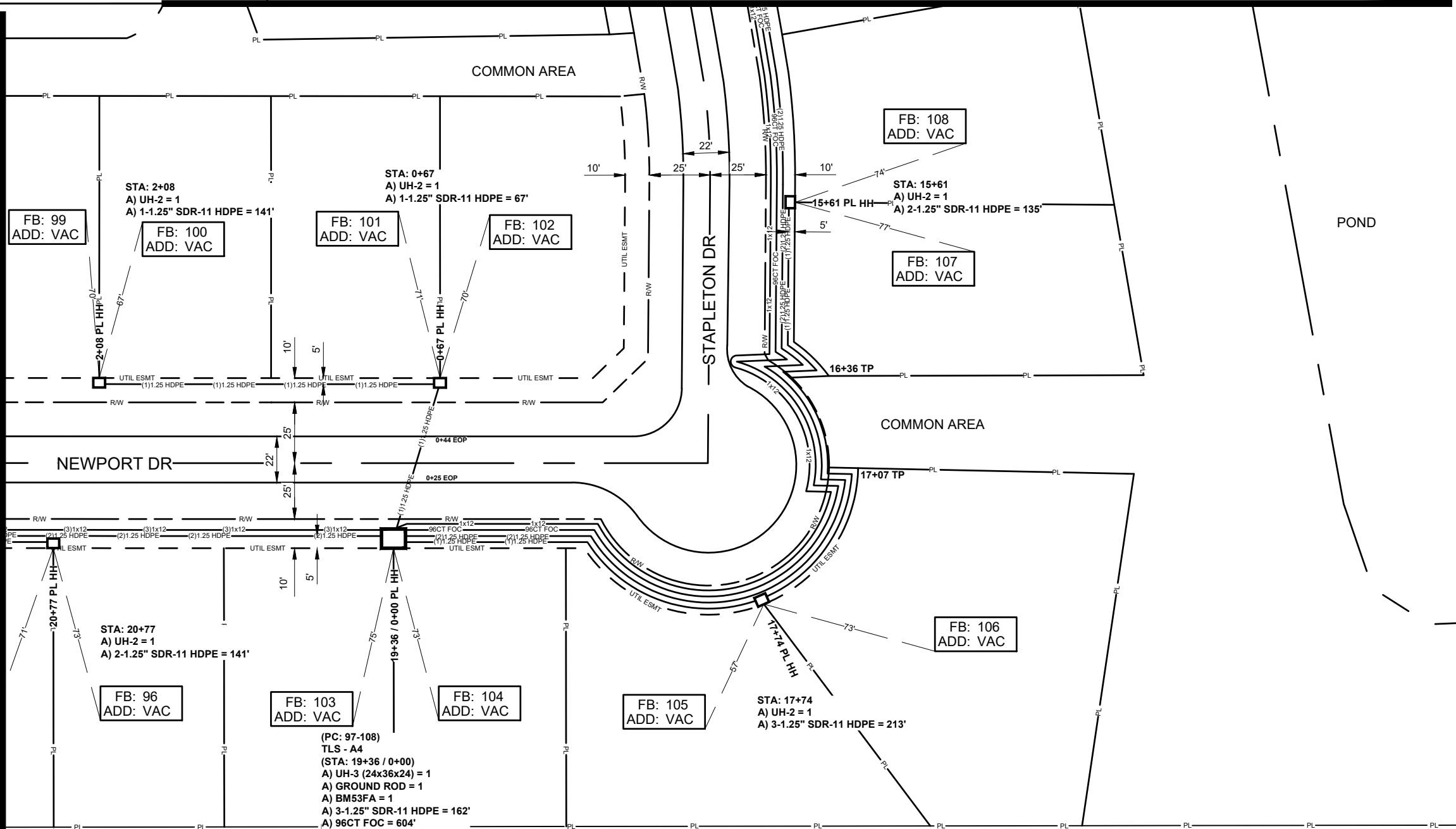
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NOTIFY ALL UTILITIES 72 HOURS PRIOR TO CONSTRUCTION ACTIVITY.  
ONE CALL SYSTEM @ 615-367-1110

SEE SHEET 5





MADISON  
MADISON COUNTY, MISSISSIPPI

JOB DESCRIPTION

|  |                             |
|--|-----------------------------|
| PROJECT NAME<br>THE LAKES AT STAPLETON |                             |
| PROJECT CITY<br>MADISON                |                             |
| SHEET<br>005                           | DESCRIPTION<br>CONSTRUCTION |
| SCALE<br>1"=50'                        | DRAWN BY<br>DELTA FIBER     |

MATERIALS LIST

| ITEM | DESCRIPTION          | QTY. |
|------|----------------------|------|
| 1    | TRIDENT RTD 1X12     | 500  |
| 2    | TRIDENT RTD 1X12     | 900  |
| 3    | TRIDENT RTD 1X12     |      |
| 4    | TRIDENT RTD 1X12     |      |
| 5    | TRIDENT RTD 1X12     |      |
| 6    | 24 CT FOC            |      |
| 7    | 24 CT FOC LOOP       |      |
| 8    | 48 CT FOC            |      |
| 9    | 48 CT FOC LOOP       |      |
| 10   | 72 CT FOC            |      |
| 11   | 72 CT FOC LOOP       |      |
| 12   | 96 CT FOC            |      |
| 13   | 96 CT FOC LOOP       |      |
| 14   | 144 CT FOC           |      |
| 15   | 144 CT FOC FEEDER    |      |
| 16   | 144 CT FOC LOOP      |      |
| 17   | 144 CT FEEDER LOOP   |      |
| 18   | 288 CT FOC           |      |
| 19   | 288 CT FOC FEEDER    |      |
| 20   | 288 CT FOC LOOP      |      |
| 21   | 288 CT FEEDER LOOP   |      |
| 22   | BDO144P LCP          |      |
| 23   | BDO288P LCP          |      |
| 24   | BDO432P LCP          |      |
| 25   | BDO576P LCP          |      |
| 26   | UH2                  | 6    |
| 27   | UH3                  | 2    |
| 28   | UH4                  |      |
| 29   | UH5                  |      |
| 30   | 1-1.25" SDR11 HDPE   | 556  |
| 31   | 2-1.25" SDR11 HDPE   | 282  |
| 32   | 3-1.25" SDR11 HDPE   | 140  |
| 33   | 4-1.25" SDR11 HDPE   |      |
| 34   | EX-1.25" SDR11 HDPE  |      |
| 35   | TYCO "B" SPLICE CASE |      |
| 36   | TYCO "D" SPLICE CASE |      |
| 37   | GROUND ROD           | 2    |
| 38   | SPLICES              |      |
| 39   | BM53FA               | 2    |

| No. | Revision/Issue | Date |
|-----|----------------|------|
|     |                |      |

| MAP NUMBER |   |   |
|------------|---|---|
| 6          | 5 | 4 |

PREPARED BY

PREPARED FOR

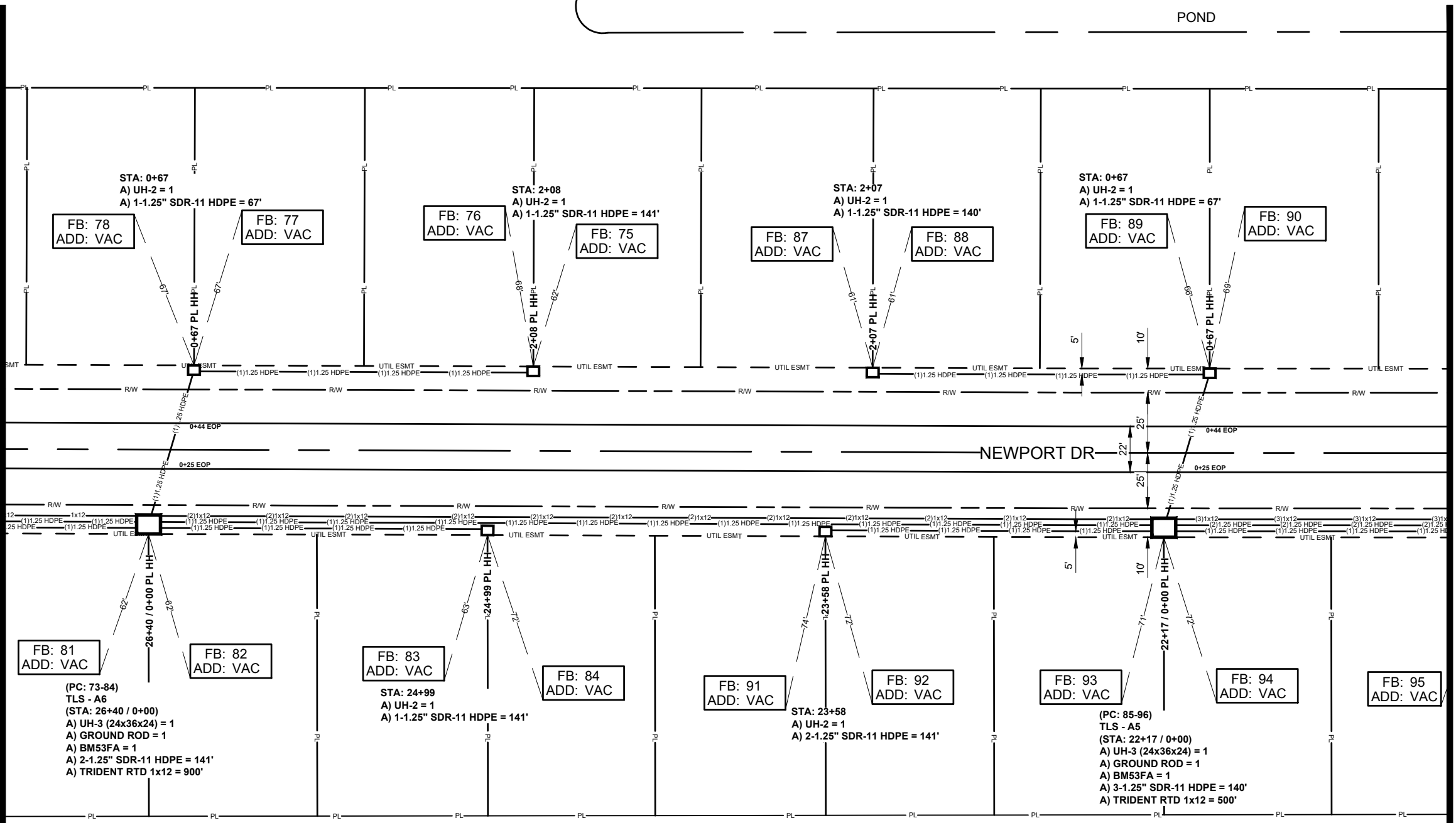
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ONE CALL SYSTEM @ 615-367-1110

SEE SHEET 6

SEE SHEET 4





MADISON  
MADISON COUNTY, MISSISSIPPI

JOB DESCRIPTION

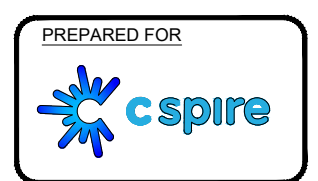
|  |                             |
|--|-----------------------------|
| PROJECT NAME<br>THE LAKES AT STAPLETON |                             |
| PROJECT CITY<br>MADISON                |                             |
| SHEET<br>006                           | DESCRIPTION<br>CONSTRUCTION |
| SCALE<br>1"=50'                        | DRAWN BY<br>DELTA FIBER     |

MATERIALS LIST

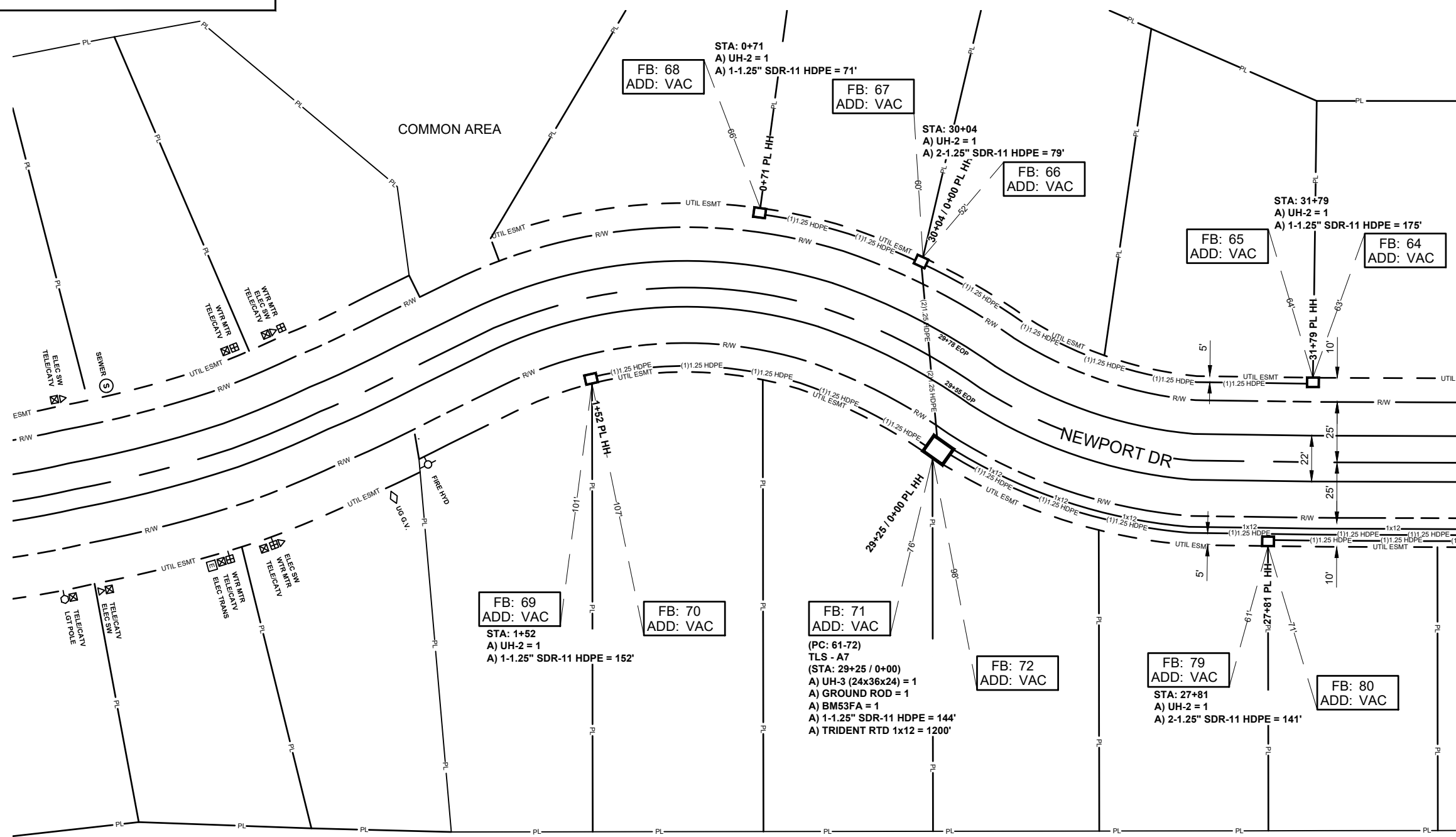
| ITEM | DESCRIPTION          | QTY. |
|------|----------------------|------|
| 1    | TRIDENT RTD 1X12     | 1200 |
| 2    | TRIDENT RTD 1X12     |      |
| 3    | TRIDENT RTD 1X12     |      |
| 4    | TRIDENT RTD 1X12     |      |
| 5    | TRIDENT RTD 1X12     |      |
| 6    | 24 CT FOC            |      |
| 7    | 24 CT FOC LOOP       |      |
| 8    | 48 CT FOC            |      |
| 9    | 48 CT FOC LOOP       |      |
| 10   | 72 CT FOC            |      |
| 11   | 72 CT FOC LOOP       |      |
| 12   | 96 CT FOC            |      |
| 13   | 96 CT FOC LOOP       |      |
| 14   | 144 CT FOC           |      |
| 15   | 144 CT FOC FEEDER    |      |
| 16   | 144 CT FOC LOOP      |      |
| 17   | 144 CT FEEDER LOOP   |      |
| 18   | 288 CT FOC           |      |
| 19   | 288 CT FOC FEEDER    |      |
| 20   | 288 CT FOC LOOP      |      |
| 21   | 288 CT FEEDER LOOP   |      |
| 22   | BDO144P LCP          |      |
| 23   | BDO288P LCP          |      |
| 24   | BDO432P LCP          |      |
| 25   | BDO576P LCP          |      |
| 26   | UH2                  | 5    |
| 27   | UH3                  | 1    |
| 28   | UH4                  |      |
| 29   | UH5                  |      |
| 30   | 1-1.25" SDR11 HDPE   | 542  |
| 31   | 2-1.25" SDR11 HDPE   | 220  |
| 32   | 3-1.25" SDR11 HDPE   |      |
| 33   | 4-1.25" SDR11 HDPE   |      |
| 34   | EX-1.25" SDR11 HDPE  |      |
| 35   | TYCO "B" SPLICE CASE |      |
| 36   | TYCO "D" SPLICE CASE |      |
| 37   | GROUND ROD           | 1    |
| 38   | SPLICES              |      |
| 39   | BM53FA               | 1    |

| No. | Revision/Issue | Date |
|-----|----------------|------|
|     |                |      |

| MAP NUMBER |  |
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SEE SHEET 5

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ONE CALL SYSTEM @ 615-367-1110



JOB DESCRIPTION

|  |                             |
|--|-----------------------------|
| PROJECT NAME<br>THE LAKES AT STAPLETON |                             |
| PROJECT CITY<br>MADISON                |                             |
| SHEET<br>SCHEMATIC 001                 | DESCRIPTION<br>CONSTRUCTION |
| SCALE<br>NTS                           | DRAWN BY<br>DELTA FIBER     |

MATERIALS LIST

| ITEM | DESCRIPTION          | QTY. |
|------|----------------------|------|
| 1    | TRIDENT RTD 1x12     |      |
| 2    | TRIDENT RTD 1x12     |      |
| 3    | TRIDENT RTD 1x12     |      |
| 4    | TRIDENT RTD 1x12     |      |
| 5    | TRIDENT RTD 1x12     |      |
| 6    | 24 CT FOC            |      |
| 7    | 24 CT FOC LOOP       |      |
| 8    | 48 CT FOC            |      |
| 9    | 48 CT FOC LOOP       |      |
| 10   | 72 CT FOC            |      |
| 11   | 72 CT FOC LOOP       |      |
| 12   | 96 CT FOC            |      |
| 13   | 96 CT FOC LOOP       |      |
| 14   | 144 CT FOC           |      |
| 15   | 144 CT FOC FEEDER    |      |
| 16   | 144 CT FOC LOOP      |      |
| 17   | 144 CT FEEDER LOOP   |      |
| 18   | 288 CT FOC           |      |
| 19   | 288 CT FOC FEEDER    |      |
| 20   | 288 CT FOC LOOP      |      |
| 21   | 288 CT FEEDER LOOP   |      |
| 22   | BDO144P LCP          |      |
| 23   | BDO288P LCP          |      |
| 24   | BDO432P LCP          |      |
| 25   | BDO576P LCP          |      |
| 26   | UH2                  |      |
| 27   | UH3                  |      |
| 28   | UH4                  |      |
| 29   | UH5                  |      |
| 30   | 1-1.25" SDR11 HDPE   |      |
| 31   | 2-1.25" SDR11 HDPE   |      |
| 32   | 3-1.25" SDR11 HDPE   |      |
| 33   | 4-1.25" SDR11 HDPE   |      |
| 34   | EX-1.25" SDR11 HDPE  |      |
| 35   | TYCO "B" SPLICE CASE |      |
| 36   | TYCO "D" SPLICE CASE |      |
| 37   | GROUND ROD           |      |
| 38   | SPLICES              |      |
| 39   | BM53FA               |      |

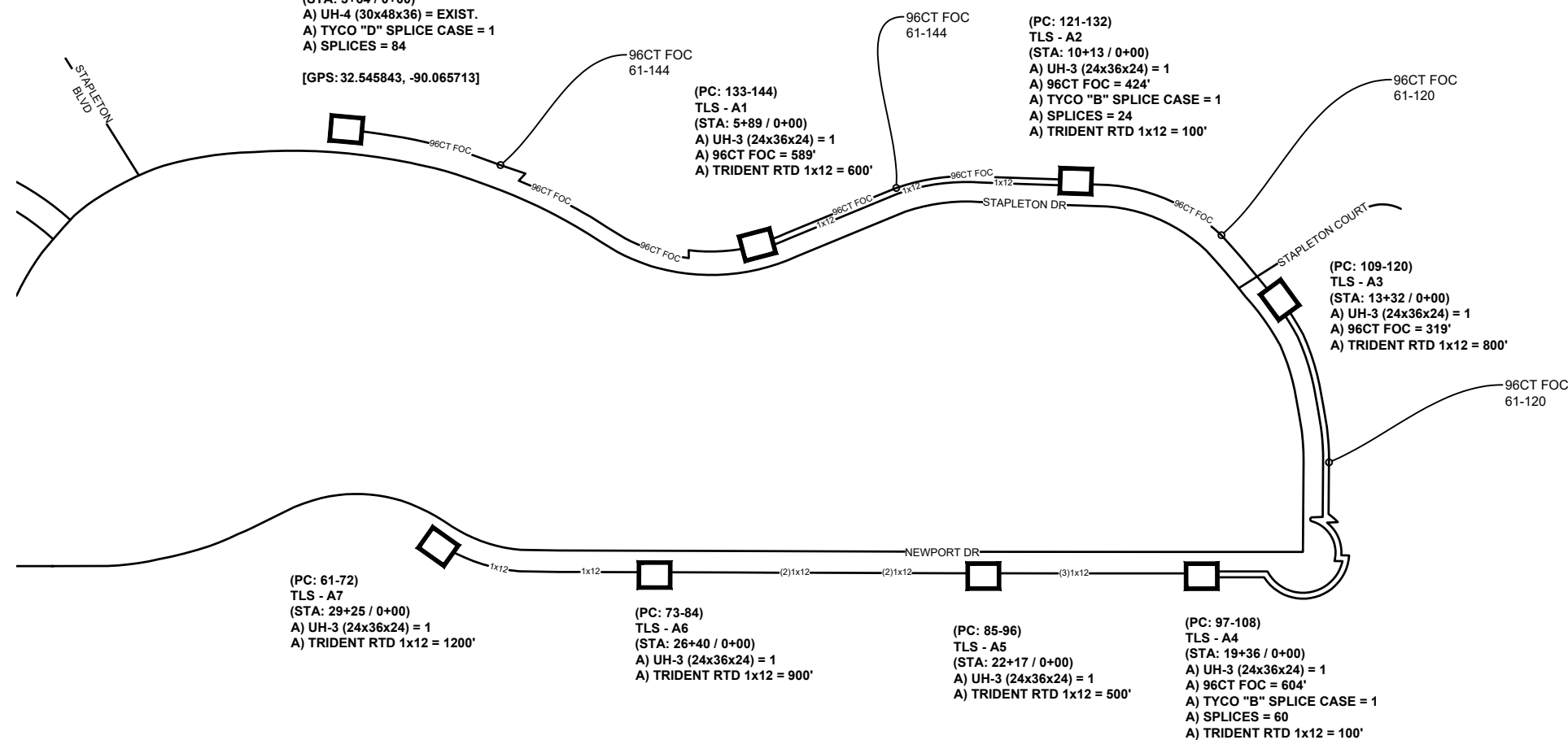
NOTE:  
**EX HH PLACED ON STAPLETON OF MADISON COUNTY PROJECT.**

FIBERS 61-144 ARE BEING USED TO FEED **THE LAKES OF STAPLETON** PROJECT.

FIBERS 1-60 ARE BEING LEFT AT HH STAPLETON - 18 FOR FUTURE USE.

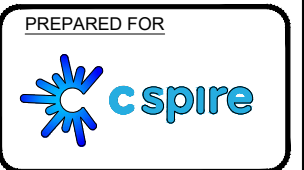
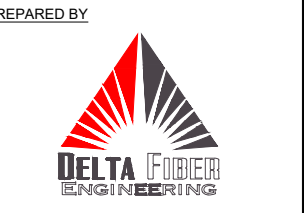
EX HH - STAPLETON - 18  
(STA: 3+64 / 0+00)  
A) UH-4 (30x48x36) = EXIST.  
A) TYCO "D" SPLICE CASE = 1  
A) SPLICES = 84

[GPS: 32.545843, -90.065713]



| No. | Revision/Issue | Date |
|-----|----------------|------|
|     |                |      |

| MAP NUMBER |  |
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